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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

LE, DANH C

ART UNIT

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2617

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/790,674	Applicant(s) PARMAR ET AL.	
	Examiner DANH C. LE	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 June 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7,8,13,15,17,18,20,21,23,24 and 26-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,7,8,13,15,17,18,20,21,23,24,26,28-30 and 32 is/are rejected.
- 7) ☒ Claim(s) 27,31 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The indicated allowability of claims 1-5, 7, 8, 17, 18, 21, 23, 24, 26-34 are withdrawn in view of the newly discovered reference(s) to Murto (US 5,966,662).
Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-5, 7, 8, 17, 20, 23, 28, 30, 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lintulampi (US 6,377,804) in view of Murto (US 5,966,662).**

As to claim 1, Lintulampi teaches a method of establishing Universal Mobile Telecommunications System (UMTS) communication between User Equipment (UE) and a UMTS network (figure 4a, 5a), wherein the User Equipment is in communication with a Global System for Mobile communication (GSM)-type network (figure 4A-B and 5A-B), the method comprising:
forwarding UMTS Terrestrial Radio Access Network (UTRAN) parameter transparently to the User Equipment via the GSM-type network (figure 4a, UMTS-RAN sends A-HOAck to MS or figure 5a, UMTS SGSN sends MM-RA-updateAccepted to the MS) ; and

in the User Equipment, receiving the UTRAN parameters and initiating communication with the UMTS network.

Switching communication with the UE from the GSM-type network to the UMTS network.

Wherein the UTRAN parameters **forward to the UE (figure 4, step A-HOCommand, HO command, handover command send from UMTS network to UE through GSM network)** comprises bit transmission rate, bit error rate and transmission delay to the UE.

Lintulampi fails to teach a list of at least a radio link and using the list in the UE. Ray teaches a list of at least one node and using the list in UE (col.6, lines 13-39). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Murto into the system of Lintulampi in order to provide a handover of a call between different types of a system.

As to claim 2, Lintulampi teaches the method according to claim 1, wherein the UTRAN parameter supplied by a Radio Network Controller of the UMTS network (col.2, lines 37-49) and wherein the UTRAN parameters are directly forwarded to the UE from the GSM-type network as part of handover command, without passing through any other type of network **(figure 4, step A-HOCommand, HO command, handover command send from UMTS network to UE through GSM network.**

As to claim 3, Lintulampi and Murto teaches the method according to claim 1, wherein the UTRAN parameter comprises a list of potential UTRAN access points (Murto 's col.6, lines 13-39).

As to claim 4, Lintulampi and Murto teaches a method according to claim 1, wherein the UE is arranged to establish a link through the Radio Network Controller (RNC) of the UMTS network to the MSC of the GSM-type network (table 5A and 5B, MM-RA-updated accepted path).

As to claim 5, Lintulampi, and Murto teaches the potential links supplied in a list to the UE on which satisfactory communication is not possible are deleted from the list of available links (Murto 's, col.6, lines 13-39, the table in Mobile station is reset).

As to claim 7, the claim is a mean for function claim of claim 1; therefore, the claim is interpreted and rejected as set forth as claim 1.

As to claim 8, Lintulampi teaches a message or data packet in a GSM-type network containing UTRAN parameters forwarded to UE for handing over a GSM call to a UMTS network to User Equipment engaged in a GSM call and capable of switching to a UMTS call (**forward to the UE, step A-HOCommand, HO command, handover command send from UTMS network to UE through GMS network**).

Handover the GSM call from the GSM type network to the UMTS network.

Lintulampi fails to teach a list of at least a radio link and using the list in the UE. Ray teaches a list of at least one node and using the list in UE (col.6, lines 13-39). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Murto into the system of Lintulampi in order to provide a handover of a call between different types of a system.

As to claim 17, the claim is a system claim of claim 1; therefore, the claim is interpreted and rejected as set forth as claim 1.

As to claim 20, the claim is an apparatus claim of claim 1; therefore, the claim is interpreted and rejected as set forth as claim 1.

As to claim 23, Lintulampi teaches a Radio Network Controller (figure 2, elements 5, 7, figures 4, 5 and their descriptions), comprising:

means for generating the Universal Mobile Telecommunications System (UMTS) Terrestrial Radio Access Network (UTRAN) parameters;

means for forwarding the UTRAN parameters, via the Global System for Mobile communication (GSM)-type network, transparently to the User Equipment (UE) which communicates with the GSM-type network,

Switching communication with the UE from the GSM-type network to the UMTS network.

whereby the UE interpretes the UTRAN parameters **forward to the UE (figure 4, step A-HOCommand, HO command, handover command send from UTMS network to UE through GMS network)** and initiates communication with the UMTS network.

Lintulampi fails to teach a list of at least a radio link and using the list in the UE. Ray teaches a list of at least one node and using the list in UE (col.6, lines 13-39). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Murto into the system of Lintulampi in order to provide a handover of a call between different types of a system.

AS to claim 28, the combination of Lintulampi and Murto teaches the method according to claim 1, wherein the UTRAN parameter information includes one or more of data rate, call type or quality service (transmission rate).

As to claim 30, the combination of Lintulampi, Murto teaches further comprises the UTRAN parameter information output from the UMTS network tunnel through the GSM type network without being interpreted or processed in any matter by the GSM type network (Reissner,) and Wherein the UTRAN parameters **forward to the UE (figure 4, step A-HOCommand, HO command, handover command send from UTMS network to UE through GMS network)** comprises bit transmission rate, bit error rate and transmission delay to the UE.

As to claim 32, the limitation of the claim is the same limitation of claim 28; therefore, the claim is interpreted and rejected as set forth as claim 28.

1. Claims 13, 15, 18, 21, 24, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lintulampi, Murto in view of Rinne (US 2001/0046863)

As to claim 13, Lintulampi, Murto teaches the method according to claim 1, Lintulampi, Murto fails to teach the parameters include one or more of Downlink (DL) channelization code, Uplink (UL) spreading factor, Uplink (UL) scrambling code, Radio Frequency, Radio Link ID, Link Reference, S-RNTI, Transport Format Sets, Transport Format Combination Set and Initial DL Power. Rinne teaches the parameters include one or more of Downlink (DL) channelization code, Uplink (UL) spreading factor, Uplink (UL) scrambling code, Radio Frequency, Radio Link ID, Link Reference, S-RNTI, Transport Format Sets, Transport Format Combination Set and Initial DL Power

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(paragraph 195, 198). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Rinne into the system of Lintulampi and Murto in order to enhance the system performance of the mobile communication system.

As to claim 15, the limitation of the claim is the same limitation of claim 13; therefore, the claim is interpreted and rejected as set forth as claim 13.

As to claim 18, the claim is a system claim of claim 13; therefore, the claim is interpreted and rejected as set forth as claim 13.

As to claim 21, the claim is an apparatus claim of claim 13; therefore, the claim is interpreted and rejected as set forth as claim 13.

As to claim 24, the limitation of the claim is the same limitation of claim 13; therefore, the claim is interpreted and rejected as set forth as claim 13.

As to claim 26, the limitation of the claim is the same limitation of claim 13; therefore, the claim is interpreted and rejected as set forth as claim 13.

2. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lintulampi (US 6,377,804), Murto in view of Burns (US 7,200,110).

As to claim 29, the combination of Lintulampi, Murto teaches the method according to claim 1, which generating a list of one or more available links for the UE; Lintulampi, Murto fails to teach deleting, for the list of one or more available links, links on which satisfactory communication is not possible, to obtain an updated list of one or more available links; and supplying the updated list of one or more available links to the UE. Burns teaches deleting, for the list of one or more available links, links on which

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satisfactory communication is not possible, to obtain an updated list of one or more available links; and supplying the updated list of one or more available links to the UE (col.14, lines 44-55). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Burns into the system of Lintulampi and aain order to enhance the performance of the mobile communication system.

Allowable Subject Matter

1. Claims 27, 31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As to claims 27 and 31, the teaching of above prior arts either alone or in combine fails to teach further comprising switching directly from a mode in which the UE is in communication with a GSM base station to a UMTS diversity mode in which the UE is in communication with a plurality of UMTS access nodes.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANH C. LE whose telephone number is 571-272-7868. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KENT W. CHANG can be reached on 571-272-7667. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

September 14, 2010

/DANH C LE/

Primary Examiner, Art Unit 2617